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| Program Name | EPAct 2005, 2606 Wind/Hydro Feasibility Study |
| Date and Time of Meeting: | Jan 10, 2008 1:00 – 3:00 Mountain |
| Place: | Conference Call Minutes |
| Subject of Meeting: | WHFS Preliminary Data Analysis review / discussion |
| Meeting Leader: | Mike Radecki |
| Reporting (Minutes): | Mike Radecki |



Minutes– January 10, 2008

To access the conference call dial **877-643-6951** then enter the pass code **87705226#**

Wind/Hydro Feasibility Website: <http://www.wapa.gov/ugp/powermarketing/default.htm>

Agendas

| No. | Item Description | Lead | Time |
|-----|--|------------|--------|
| 1. | Introductions / Attendance ___ Jim Haigh, ___X_Jody Farhat, ___ Trevor McDonald, ___Karl Wunderlich, ___Paulette Schaeffer, ___X_Darin Larson, ___Scott Doig, ___Brian Parsons, ___Mike Costanti, ___X_Tom Weaver, ___Warren Mackey, ___X_Pat Spears, ___X_Vic Simmons, ___X_Mike Radecki, ___Mark Messerli, ___Jim Haigh, ___X_Walter White Tail Feather, ___X_Steve Wegman, ___X_Matt Schuerger, ___X_Dave Rich, ___Mike McDowell, ___X_Rick Hunt, ___X_Bob Rusch, ___X_Doug Hellekson, ___X_John Richards, ___X_Bob Gough, ___Ed Weber ___Margaret Bad Warrior, ___Bill Schumacher, ___X_Kim Massey ___X_Roy McAllister, ___X_Tom Wind, ___Roger Schiffman ___Roger Freeman, ___X_Brad Nickell, ___X_Shawn Micken, ___X_Will Conkling | Mike | |
| 2. | Review Bob Gough 12/7/07 Comments | Mike | 20 min |
| 3. | Overview PROMOD <ul style="list-style-type: none"> • Basic functions • Assumptions • Information sources | New Energy | 45 min |
| 4. | WHFS Historical Data Analysis review/ discussion <ul style="list-style-type: none"> • Update on revised “high” generation year | Kim | 15 min |
| 5. | Tribal Wind Energy Project Questionnaire summary <ul style="list-style-type: none"> • Responses • Assumptions for “non-responsive” Tribes | Mike | 20 min |
| 6. | Wrap-up <ul style="list-style-type: none"> • Discussion review • Action items • Next meeting / conference call | Mike | 10 Min |

1. Major Discussions

| No. | Discussion |
|-----|--|
| 1. | PROMOD – Rick Hunt of NewEnergy provided an overview of PROMOD with emphasis on what this software uses as sources of information and how it will be used to support the WHFS. Several general questions were asked during the presentation – key questions include: <ul style="list-style-type: none"> • How will seams issues be addressed in the modeling • How will the sensitivity analysis address carbon issues – wind curtailment and loss of load probability • >>> |
| 2. | Historical Analysis Update – Kim Massey reviewed the updated historical analysis information |

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| | <p>with emphasis on the addition of the 1997 “high generation” year. Key discussion items include:</p> <ul style="list-style-type: none"> • Highlight of missing data from 1997. We originally did not use 1997 due to missing load and generation information from the Western portion of the system. Further analysis revealed this represents less than 2% of total generation and this would not significantly impact this study. • The load data for the three periods chosen demonstrates good consistency in Western load with acceptable deviations (likely weather related). • The generation data also depicts consistency in the generation patterns for the periods shown. • Discussed the Base, Wet and Dry 30-year scenarios. Of the three scenarios presented, the dry scenario as currently projected depicts a generation scenario that is not reflective of “dry” conditions. The suggested correction to this is to re-run the dry scenario using the last 10 years repeated three times. This approach is consistent with the approach used for the wet scenario and is expected to produce a result that better reflects low runoff conditions. • Questions also raised regarding the inclusion of climatology predictions and how this relates to runoff predictions. Also – whether climatology is factored into depletion analysis conducted by the Corps/Bureau of Rec. |
| 3. | <p>Response – Dec 7, 2007 Comments submitted by Bob Gough. Mike Radecki provided a brief review of the comments and responses which are located on the project website.</p> <ul style="list-style-type: none"> • Bob Gough acknowledged many of the issues in his comments had been addressed but wanted to ensure ICOUP was “on the record” with regards to identifying that ICOUP wind development plans had changed from earlier visions and that he did not want the tribes to be “locked in” to some lesser development potential. • Discussed the project questionnaire and that the reason for having near term and long term plans in the questionnaire was to identify “ultimate” build out potential. |
| 4. | <p>Tribal Wind Project Questionnaire Summary – Mike reviewed the questionnaire summary. Specifically, that we believe we’ve adequately generalized information provided to preclude identifying any proprietary or confidential information.</p> |
| 5. | |
| 6. | |
| 7. | |

2. Action Items:

| Assignee | Description/Status | Date to be Completed |
|------------|---|-------------------------|
| Rick Hunt | How carbon will be addressed in modeling | Update at next call |
| Kim Massey | Review climatology information discussed by Bob Gough | Update during next call |
| Pat Spears | ICOUP Project Development Plans | January 11, 2008 |

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| Walter White Tail Feather | Amendment to Fort Peck questionnaire | ASAP |
| Bob Gough | Forward climatology references to the group | ASAP |
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3. Parking Lot:

| Task Description |
|---|
| <p>Jody Farhat posted Kim's presentation on the Corps ftp site at the following link.</p> <p>ftp://ftp.usace.army.mil/pub/</p> <p>Once there, navigate to the "nwd" and then the "Wind-Hydro Study" sub-directories (folders). If it asks for a userid and password, use "anonymous" and either "guest" or your email address.</p> <p>The file will only stay posted on the ftp site for a week or 10 days, so folks interested in getting it should do so asap</p> |
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Next Meeting /Call:

February 7, 2008 – 1:00 to 3:00 Mountain